

APPROVED	C. A. FIS.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Title: AN ISOLATED PEPTIDE OR
POLYPEPTIDE OF THE EXTRACELLULAR
PORTION OF THE HUMAN INTERFERON
RECEPTOR (IFN-R)
Inventor(s): Patrick BENOIT ET AL.
Appl. No.: 09/240,675



FIG. 1A

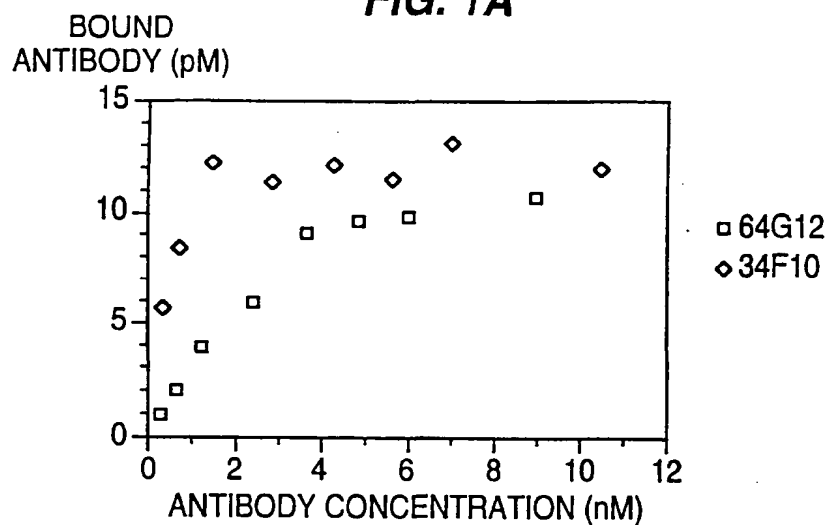


FIG. 1B

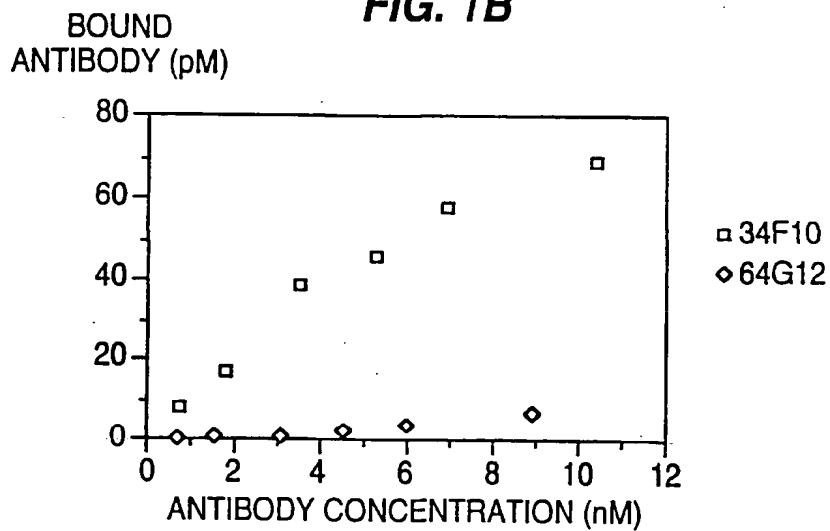


FIG. 2A

CTGCAGGGATCTGCGGCGGCTCCCAG

ATG	ATG	GTC	GTC	CTC	CTG	GGC	GCG	ACG	ACC	CTA	GTG	CTC	GTC	GCC	GTG	GGC	CCA
Met	Met	Val	Val	Leu	Leu	Gly	Ala	Thr	Thr	Leu	Val	Leu	Val	Ala	Val	Gly	Pro
TGG	GTG	TTG	TCC	GCA	GCC	GCA	GGT	GGA	AAA	AAT	CTA	AAA	TCT	CCT	CAA	AAA	GTA
Trp	Val	Leu	Ser	Ala	Ala	Ala	Gly	Gly	Lys	Asn	Leu	Lys	Ser	Pro	Gln	Lys	Val
GAG	GTC	GAC	ATC	ATA	GAT	GAC	AAC	TTT	ATC	CTG	AGG	TGG	AAC	AGG	AGC	GAT	GAG
Glu	Val	Asp	Ile	Ile	Asp	Asp	Asn	Phe	Ile	Leu	Arg	Trp	Asn	Arg	Ser	Asp	Glu
TCT	GTC	GGG	AAT	GTG	ACT	TTT	TCA	TTC	GAT	TAT	CAA	AAA	ACT	GGG	ATG	GAT	AAT
Ser	Val	Gly	Asn	Val	Thr	Phe	Ser	Phe	Asp	Tyr	Gln	Lys	Thr	Gly	Met	Asp	Asn
TGG	ATA	AAA	TTG	TCT	GGG	TGT	CAG	AAT	ATT	ACT	AGT	ACC	AAA	TGC	AAC	TTT	TCT
Trp	Ile	Lys	Leu	Ser	Gly	Cys	Gln	Asn	Ile	Thr	Ser	Thr	Lys	Cys	Asn	Phe	Ser
TCA	CTC	AAG	CTG	AAT	GTT	TAT	GAA	GAA	ATT	AAA	TTG	CGT	ATA	AGA	GCA	GAA	AAA
Ser	Leu	Lys	Leu	Asn	Val	Tyr	Glu	Glu	Ile	Lys	Leu	Arg	Ile	Arg	Ala	Glu	Lys
GAA	AAC	ACT	TCT	TCA	TGG	TAT	GAG	GTT	GAC	TCA	TTT	ACA	CCA	TTT	CGC	AAA	GCT
Glu	Asn	Thr	Ser	Ser	Trp	Tyr	Glu	Val	Asp	Ser	Phe	Thr	Pro	Phe	Arg	Lys	Ala
CAG	ATT	GGT	CCT	CCA	GAA	GTA	CAT	TTA	GAA	GCT	GAA	GAT	AAG	GCA	ATA	GTG	ATA
Gln	Ile	Gly	Pro	Pro	Glu	Val	His	Leu	Glu	Ala	Glu	Asp	Lys	Ala	Ile	Val	Ile
CAC	ATC	TCT	CCT	GGA	ACA	AAA	GAT	AGT	GTT	ATG	TGG	GCT	TTG	GAT	GGT	TTA	AGC
His	Ile	Ser	Pro	Gly	Thr	Lys	Asp	Ser	Val	Met	Trp	Ala	Leu	Asp	Gly	Leu	Ser
TTT	ACA	TAT	AGC	TTA	CTT	ATC	TGG	AAA	AAC	TCT	TCA	GGT	GTA	GAA	GAA	AGG	ATT
Phe	Thr	Tyr	Ser	Leu	Leu	Ile	Trp	Lys	Asn	Ser	Ser	Gly	Val	Glu	Glu	Arg	Ile
GAA	AAT	ATT	TAT	TCC	AGA	CAT	AAA	ATT	TAT	AAA	CTC	TCA	CCA	GAG	ACT	ACT	TAT
Glu	Asn	Ile	Tyr	Ser	Arg	His	Lys	Ile	Tyr	Lys	Leu	Ser	Pro	Glu	Thr	Thr	Tyr
TGT	CTA	AAA	GTT	AAA	GCA	GCA	CTA	CTT	ACG	TCA	TGG	AAA	ATT	GGT	GTC	TAT	AGT
Cys	Leu	Lys	Val	Lys	Ala	Ala	Leu	Leu	Thr	Ser	Trp	Lys	Ile	Gly	Val	Tyr	Ser
CCA	GTA	CAT	TGT	ATA	AAG	ACC	ACA	GTT	GAA	AAT	GAA	CTA	CCT	CCA	CCA	GAA	AAT
Pro	Val	His	Cys	Ile	Lys	Thr	Thr	Val	Glu	Asn	Glu	Leu	Pro	Pro	Pro	Glu	Asn
ATA	GAA	GTC	AGT	GTC	CAA	AAT	CAG	AAC	TAT	GTT	CTT	AAA	TGG	GAT	TAT	ACA	TAT
Ile	Glu	Val	Ser	Val	Gln	Asn	Gln	Asn	Tyr	Val	Leu	Lys	Trp	Asp	Tyr	Thr	Tyr
GCA	AAC	ATG	ACC	TTT	CAA	GTT	CAG	TGG	CTC	CAC	GCC	TTT	TTA	AAA	AGG	AAT	CCT
Ala	Asn	Met	Thr	Phe	Gln	Val	Gln	Trp	Leu	His	Ala	Phe	Leu	Lys	Arg	Asn	Pro
GGA	AAC	CAT	TTG	TAT	AAA	TGG	AAA	CAA	ATA	CCT	GAC	TGT	GAA	AAT	GTC	AAA	ACT
Gly	Asn	His	Leu	Tyr	Lys	Trp	Lys	Gln	Ile	Pro	Asp	Cys	Glu	Asn	Val	Lys	Thr
ACC	CAG	TGT	GTC	TTT	CCT	CAA	AAC	GTT	TTC	CAA	AAA	GGA	ATT	TAC	CTT	CTC	CGC
Thr	Gln	Cys	Val	Phe	Pro	Gln	Asn	Val	Phe	Gln	Lys	Gly	Ile	Tyr	Leu	Leu	Arg
GTA	CAA	GCA	TCT	GAT	GGA	AAT	AAC	ACA	TCT	TTT	TGG	TCT	GAA	GAG	ATA	AAG	TTT
Val	Gln	Ala	Ser	Asp	Gly	Asn	Asn	Thr	Ser	Phe	Trp	Ser	Glu	Glu	Ile	Lys	Phe
GAT	ACT	GAA	ATA	CAA	GCT	TTC	CTA	CTT	CCT	CCA	GTC	TTT	AAC	ATT	AGA	TCC	CTT
Asp	Thr	Glu	Ile	Gln	Ala	Phe	Leu	Leu	Pro	Pro	Val	Phe	Asn	Ile	Arg	Ser	Leu

FIG. 2B

AGT GAT TCA TTC CAT ATC TAT ATC GGT GCT CCA AAA CAG TCT GGA AAC ACG CCT
Ser Asp Ser Phe His Ile Tyr Ile Gly Ala Pro Lys Gln Ser Gly Asn Thr Pro
GTG ATC CAG GAT TAT CCA CTG ATT TAT GAA ATT ATT TTT TGG GAA AAC ACT TCA
Val Ile Gln Asp Tyr Pro Leu Ile Tyr Glu Ile Ile Phe Trp Glu Asn Thr Ser
AAT GCT GAG AGA AAA ATT ATC GAG AAA AAA ACT GAT GTT ACA GTT CCT AAT TTG
Asn Ala Glu Arg Lys Ile Ile Glu Lys Lys Thr Asp Val Thr Val Pro Asn Leu
AAA CCA CTG ACT GTA TAT TGT GTG AAA GCC AGA GCA CAC ACC ATG GAT GAA AAG
Lys Pro Leu Thr Val Tyr Cys Val Lys Ala Arg Ala His Thr Met Asp Glu Lys
CTG AAT AAA AGC AGT GTT TTT AGT GAC GCT GTA TGT GAG AAA ACA AAA CCA GGA
Leu Asn Lys Ser Ser Val Phe Ser Asp Ala Val Cys Glu Lys Thr Lys Pro Gly
AAT ACC TCT AAA TGA GGT ACC
Asn Thr Ser Lys

FIG. 3A

CTGCAGGGATCTGCGGCGGCTCCCAG

ATG	ATG	GTC	GTC	CTC	CTG	GGC	GCG	ACG	ACC	CTA	GTG	CTC	GTC	GCC	GTG	GGC	CCA
Met	Met	Val	Val	Leu	Leu	Gly	Ala	Thr	Thr	Leu	Val	Leu	Val	Ala	Val	Gly	Pro
TGG	GTG	TTG	TCC	GCA	GCC	GCA	GGT	GGA	AAA	AAT	CTA	AAA	TCT	CCT	CAA	AAA	GTA
Trp	Val	Leu	Ser	Ala	Ala	Ala	Gly	Gly	Lys	Asn	Leu	Lys	Ser	Pro	Gln	Lys	Val
GAG	GTC	GAC	ATC	ATA	GAT	GAC	AAC	TTT	ATC	CTG	AGG	TGG	AAC	AGG	AGC	GAT	GAG
Glu	Val	Asp	Ile	Ile	Asp	Asp	Asn	Phe	Ile	Leu	Arg	Trp	Asn	Arg	Ser	Asp	Glu
TCT	GTC	GGG	AAT	GTG	ACT	TTT	TCA	TTC	GAT	TAT	CAA	AAA	ACT	GGG	ATG	GAT	AAT
Ser	Val	Gly	Asn	Val	Thr	Phe	Ser	Phe	Asp	Tyr	Gln	Lys	Thr	Gly	Met	Asp	Asn
TGG	ATA	AAA	TTG	TCT	GGG	TGT	CAG	AAT	ATT	ACT	AGT	ACC	AAA	TGC	AAC	TTT	TCT
Trp	Ile	Lys	Leu	Ser	Gly	Cys	Gln	Asn	Ile	Thr	Ser	Thr	Lys	Cys	Asn	Phe	Ser
TCA	CTC	AAG	CTG	AAT	GTT	TAT	GAA	GAA	ATT	AAA	TTG	CGT	ATA	AGA	GCA	GAA	AAA
Ser	Leu	Lys	Leu	Asn	Val	Tyr	Glu	Glu	Ile	Lys	Leu	Arg	Ile	Arg	Ala	Glu	Lys
GAA	AAC	ACT	TCT	TCA	TGG	TAT	GAG	GTT	GAC	TCA	TTT	ACA	CCA	TTT	CGC	AAA	GCT
Glu	Asn	Thr	Ser	Ser	Trp	Tyr	Glu	Val	Asp	Ser	Phe	Thr	Pro	Phe	Arg	Lys	Ala
CAG	ATT	GGT	CCT	CCA	GAA	GTA	CAT	TTA	GAA	GCT	GAA	GAT	AAG	GCA	ATA	GTG	ATA
Gln	Ile	Gly	Pro	Pro	Glu	Val	His	Leu	Glu	Ala	Glu	Asp	Lys	Ala	Ile	Val	Ile
CAC	ATC	TCT	CCT	GGA	ACA	AAA	GAT	AGT	GTT	ATG	TGG	GCT	TTG	GAT	GGT	TTA	AGC
His	Ile	Ser	Pro	Gly	Thr	Lys	Asp	Ser	Val	Met	Trp	Ala	Leu	Asp	Gly	Leu	Ser
TTT	ACA	TAT	AGC	TTA	CTT	ATC	TGG	AAA	AAC	TCT	TCA	GGT	GTA	GAA	GAA	AGG	ATT
Phe	Thr	Tyr	Ser	Leu	Leu	Ile	Trp	Lys	Asn	Ser	Ser	Gly	Val	Glu	Glu	Arg	Ile
GAA	AAT	ATT	TAT	TCC	AGA	CAT	AAA	ATT	TAT	AAA	CTC	TCA	CCA	GAG	ACT	ACT	TAT
Glu	Asn	Ile	Tyr	Ser	Arg	His	Lys	Ile	Tyr	Lys	Leu	Ser	Pro	Glu	Thr	Thr	Tyr
TGT	CTA	AAA	GTT	AAA	GCA	GCA	CTA	CTT	ACG	TCA	TGG	AAA	ATT	GGT	GTC	TAT	AGT
Cys	Leu	Lys	Val	Lys	Ala	Ala	Leu	Leu	Thr	Ser	Trp	Lys	Ile	Gly	Val	Tyr	Ser
CCA	GTA	CAT	TGT	ATA	AAG	ACC	ACA	GTT	GAA	AAT	GAA	CTA	CCT	CCA	CCA	GAA	AAT
Pro	Val	His	Cys	Ile	Lys	Thr	Thr	Val	Glu	Asn	Glu	Leu	Pro	Pro	Pro	Glu	Asn
ATA	GAA	GTC	AGT	GTC	CAA	AAT	CAG	AAC	TAT	GTT	CTT	AAA	TGG	GAT	TAT	ACA	TAT
Ile	Glu	Val	Ser	Val	Gln	Asn	Gln	Asn	Tyr	Val	Leu	Lys	Trp	Asp	Tyr	Thr	Tyr
GCA	AAC	ATG	ACC	TTT	CAA	GTT	CAG	TGG	CTC	CAC	GCC	TTT	TTA	AAA	AGG	AAT	CCT
Ala	Asn	Met	Thr	Phe	Gln	Val	Gln	Trp	Leu	His	Ala	Phe	Leu	Lys	Arg	Asn	Pro
GGA	AAC	CAT	TTG	TAT	AAA	TGG	AAA	CAA	ATA	CCT	GAC	TGT	GAA	AAT	GTC	AAA	ACT
Gly	Asn	His	Leu	Tyr	Lys	Trp	Lys	Gln	Ile	Pro	Asp	Cys	Glu	Asn	Val	Lys	Thr
ACC	CAG	TGT	GTC	TTT	CCT	CAA	AAC	GTT	TTC	CAA	AAA	GGA	ATT	TAC	CTT	CTC	CGC
Thr	Gln	Cys	Val	Phe	Pro	Gln	Asn	Val	Phe	Gln	Lys	Gly	Ile	Tyr	Leu	Leu	Arg
GTA	CAA	GCA	TCT	GAT	GGA	AAT	AAC	ACA	TCT	TTT	TGG	TCT	GAA	GAG	ATA	AAG	TTT
Val	Gln	Ala	Ser	Asp	Gly	Asn	Asn	Thr	Ser	Phe	Trp	Ser	Glu	Glu	Ile	Lys	Phe
GAT	ACT	GAA	ATA	CAA	GCT	TTC	CTA	CTT	CCT	CCA	GTC	TTT	AAC	ATT	AGA	TCC	CTT
Asp	Thr	Glu	Ile	Gln	Ala	Phe	Leu	Leu	Pro	Pro	Val	Phe	Asn	Ile	Arg	Ser	Leu

FIG. 3B

AGT GAT TCA TTC CAT ATC TAT ATC GGT GCT CCA AAA CAC TCT GGA AAC ACG CCT
Ser Asp Ser Phe His Ile Tyr Ile Gly Ala Pro Lys Gln Ser Gly Asn Thr Pro
GTG ATC CAG GAT TAT CCA CTG ATT TAT GAA ATT ATT TTT TGG GAA AAC ACT TCA
Val Ile Gln Asp Tyr Pro Leu Ile Tyr Glu Ile Ile Phe Trp Glu Asn Thr Ser
AAT GCT GAG AGA AAA ATT ATC GAG AAA AAA ACT GAT GTT ACA GTT CCT AAT TTG
Asn Ala Glu Arg Lys Ile Ile Glu Lys Lys Thr Asp Val Thr Val Pro Asn Leu
AAA CCA CTG ACT GTA TAT TGT GTG AAA GCC AGA GCA CAC ACC ATG GAT GAA AAG
Lys Pro Leu Thr Val Tyr Cys Val Lys Ala Arg Ala His Thr Met Asp Glu Lys
CTG AAT AAA AGC AGT GTT TTT AGT GAC GCT GTA TGT GAG AAA ACA AAA CCA GGA
Leu Asn Lys Ser Ser Val Phe Ser Asp Ala Val Cys Glu Lys Thr Lys Pro Gly
AAT ACC TCT AAA ATT TGG CTT ATA GTT GGA ATT TGT ATT GCA TTA TTT GCT CTC
Asn Thr Ser Lys Ile Trp Leu Ile Val Gly Ile Cys Ile Ala Leu Phe Ala Leu
CCG TTT GTC ATT TAT GCT GCG AAA GTC TTC TTG AGA TGC ATC AAT TAT GTC TTC
Pro Phe Val Ile Tyr Ala Ala Lys Val Phe Leu Arg Cys Ile Asn Tyr Val Phe
TTT CCA TCA CTT AAA CCT TCT TCC AGT ATA GAT GAG TAT TTC TCT GAA CAG CCA
Phe Pro Ser Leu Lys Pro Ser Ser Ser Ile Asp Glu Tyr Phe Ser Glu Gln Pro
TTG AAG AAT CTT CTG CTT TCA ACT TCT GAG GAA CAA ATC GAA AAA TGT TTC ATA
Leu Lys Asn Leu Leu Leu Ser Thr Ser Glu Glu Gln Ile Glu Lys Cys Phe Ile
ATT GAA AAT ATA AGC ACA ATT GCT ACA GTA GAA GAA ACT AAT CAA ACT GAT GAA
Ile Glu Asn Ile Ser Thr Ile Ala Thr Val Glu Glu Thr Asn Gln Thr Asp Glu
GAT CAT AAA AAA TAC AGT TCC CAA ACT AGC CAA GAT TCA GGA AAT TAT TCT AAT
Asp His Lys Lys Tyr Ser Ser Gln Thr Ser Gln Asp Ser Gly Asn Tyr Ser Asn
GAA GAT GAA AGC GAA AGT AAA ACA AGT GAA GAA CTA CAG CAG GAC TTT GTA TGA
Glu Asp Glu Ser Glu Ser Lys Thr Ser Glu Glu Leu Gln Gln Asp Phe Val
CCAGAAATGAACTGTGTCAAGTATAAGGTTTTTCAGCAGGAGTTACACTGGTACC